Claims

1. Valve with two pole pieces, wherein at least one pole piece is provided with a first fluid line and a first valve seat, and wherein the fluid line is connected by the valve seat with a valve chamber, in which a valve body can be moved between at least two switch settings between the valve seat and at least one other stop surface, characterized in that at least one spacer element (15) is present in the area of the valve chamber (24), which determines the distance of the valve seat (7) from the other stop surface (8).

2. Valve according to Claim 1, characterized in that the valve seat (7) and additional stop surface (8) are molded into a respective pole piece (3, 4), and the pole pieces (3, 4) are secured directly to the spacer element (15).

3. Valve according to one of the preceding claims, characterized in that the spacer element (15) has a fluid passage.

4. Valve according to one of the preceding claims, characterized in that the outer connecting tubes (18, 19, 20) are secured in at least one pole piece (3, 4) to carry fluid.

5. Valve according to one of the preceding claims, characterized in that the spacer element (15) is sleeve-shaped.

6. Valve according to one of the preceding claims, characterized in that the spacer element (15) encompasses guide elements (23) for the valve body (9).

7. Valve according to one of the preceding claims, characterized in that the guide element (23) is designed as inner radial ribs on the spacer element (15).

8. Valve according to one of the preceding claims, characterized in that the spacer element (15) is made at least partially of plastic.

9. Valve according to one of the preceding claims, characterized in that the spacer element (15) is provided with a filter element (16).

10. Valve according to one of the preceding claims, characterized in that the second fluid line (10) is designed as an eccentric hole in a pole piece (4).

11. Valve according to one of the preceding claims, characterized in that the pole pieces (3, 4) and spacer element (15) are incorporated in a tubular valve housing (2).

12. Valve according to one of the preceding claims, characterized in that at least one permanent magnet (13, 14) is provided.

13. Valve according to one of the preceding claims, characterized in that the permanent magnet (13, 14) is arranged inside the tubular valve housing (2).

14. Valve according to one of the preceding claims, characterized in that the permanent magnet (13, 14) is designed as an annular magnet.

15. Valve according to one of the preceding claims, characterized in that the permanent magnet (13, 14) is placed on a projection (11, 12) of a pole piece (3, 4) formed by a cross sectionally tapered segment.

16. Valve according to one of the preceding claims, characterized in that the spacer element (15) is provided with a receptacle for a permanent magnet (13, 14).

17. Valve according to Claim 16, characterized in that the receptacle encompasses elevations, which bring about a positive connection between the spacer element (15) and at least one permanent magnet.

18. Valve according to Claim 17, characterized in that the elevations are deformable.

19 Valve according to Claim 17 or 18, characterized in that the elevations are elastic.

20. Valve according to one of the preceding claims, characterized in that the tubular valve housing (2) is incorporated in a control coil (21).

21. Valve according to one of the preceding claims, characterized in that the valve body (9) encompasses a ball, and the valve seat (7, 8) is at least partially spherical.

22. Valve according to one of the preceding claims, characterized in that the valve body (9) is a ball.

23. Valve according to one of the preceding claims, characterized in that a third fluid line (6) and a second valve seat (8) are provided to create a so-called 3/2 valve.